

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by INTERTEK SAI Global Certificate Number. QMS42099

Catalogue Number 17682
Lot Number 2223330
Description Diethyl ether
CAS Number 60-29-7
Quality Test/Release Date 12/May/2022
Expiry Phrase Use within 2 years of opening
Country of Origin Germany

Result Name	Units	Specifications	Test Value
Acetone	%	<= 0.002	None Detected
Acidity (Pass/Fail)		Must be 'Pass'	Pass
Aldehyde	%	<= 0.0001	None Detected
Assay (GC)	%	>= 99.5	99.95
Butylated hydroxytoluene (BHT)	ppm	<= 5	6
Cadmium (Cd)	ppm	<= 0.02	<0.005
Chemical form		Mobile liquid	Mobile liquid
Cobalt (Co)	ppm	<= 0.02	<0.005
Colour	APHA	<= 10	<5
Copper (Cu)	ppm	<= 0.02	<0.1
Ethanol	%	<= 0.01	None Detected
Ether peroxide	ppm	<= 1	0.15
Iron (Fe)	ppm	<= 0.1	0.05
Lead (Pb)	ppm	<= 0.05	<0.005
Methanol	%	<= 0.01	0.00002
Nickel (Ni)	ppm	<= 0.02	<0.005
Relative density		>= 0.714 and <= 0.716	0.715
Residue after evaporation (ppm)	ppm	<= 20	None Detected
Visual colour		Clear colourless	Clear colourless
Water	%	<= 0.1	0.007

Additional Information Conforms to Eur.Ph

A. Ganatra

Ashok Ganatra
Supervisor, QC

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research use or further manufacturing. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.